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# PATENT ABSTRACTS OF JAPAN

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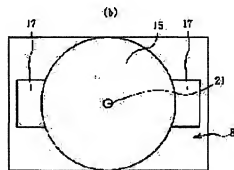
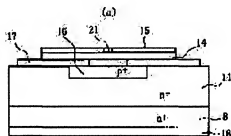
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## (54) OPTICAL PICKUP DEVICE

### (57)Abstract:

**PROBLEM TO BE SOLVED:** To provide an optical pickup device capable of being easily assembled and capable of obtaining a stable reproducing performance even if an optical axis tilt of a laser beam is generated owing to temperature variation or the like.

**SOLUTION:** In the optical pickup device wherein an information recording medium 7 having plural recording layers 6 in the depth direction is irradiated with the laser beam from a semiconductor laser 1 via a beam splitter 2 and an objective lens 5, the return light is received by an photodetector 13 via the objective lens 5, the beam splitter 2 and a pinhole 21, and information recorded in the desired recording layer 6 of the information recording medium 7 is reproduced, a nonlinear optical thin film 15 of which the light transmissivity is reversibly raised at a specified temperature or more is provided in the optical path of return light between the beam splitter 2 and the photodetector 13, and the pinhole 21 is optically formed by irradiating the nonlinear optical thin film 15 with the return light.



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